

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start		Rating **	A	Issue No.	27
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_NA0016_01_s_2013_27				
Comment Code					
Inspector Comment					
District has the levee O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	28
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_NA0016_01_s_2013_28				
Comment Code					
Inspector Comment					
District maintains a stockpile of flood response material.					

No Photos

LM Start		Rating **	A	Issue No.	35
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_NA0016_01_s_2013_35				
Comment Code					
Inspector Comment					
District has flood response plans and maintains flood response training.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	0.14	Rating **	U	Issue No.	1552	
LM End	0.14	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.801471 °	38.801471 °	
				-121.725171 °	-121.725171 °	
DWR ID	20224					
Comment Code						
Inspector Comment						
DS_ID:20224 FS_ID:55791 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 09/30/2019 Erosion around headwall on WS progresses. Roger Cornwell who is a head of an irrigation district that operates the plant has been notified. Needs to run pumps to see if erosion is caused by leaking pipe(s). (O.Yakimov - DWR UCIP)03/12/2013 Headwall on WS undermined about 3-4-feet. FIELD_STRUCT_DESC: 1 of 3: 36-inch steel drainage pipe through the levee, 30.0 feet below the crown. Flap gate on the waterside (WS) end. 24-inch pipe sleeved through the 36-inch pipe. Annular space between pipes grouted. Pumps in pump house with walkway on landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 0.15)]. FS Date: 9/30/2019 7:39:29 AM						

Photo 1 of 3 : UCIP_FA_2019_55791_82904.jpg



View of levee crown at the crossing

LM Start	0.14	Rating **	U	Issue No.	1552 (cont)
LM End	0.14	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_55791_82909.jpg



View of LS looking from levee crown

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	0.14	Rating **	U	Issue No.	1552 (cont)
LM End	0.14	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.801471 °	38.801471 °
				-121.725171 °	-121.725171 °
DWR ID	20224				
Comment Code					
Inspector Comment					
DS_ID:20224 FS_ID:55791 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 09/30/2019 Erosion around headwall on WS progresses. Roger Cornwell who is a head of an irrigation district that operates the plant has been notified. Needs to run pumps to see if erosion is caused by leaking pipe(s). (O.Yakimov - DWR UCIP)03/12/2013 Headwall on WS undermined about 3-4-feet. FIELD_STRUCT_DESC: 1 of 3: 36-inch steel drainage pipe through the levee, 30.0 feet below the crown. Flap gate on the waterside (WS) end. 24-inch pipe sleeved through the 36-inch pipe. Annular space between pipes grouted. Pumps in pump house with walkway on landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 0.15)]. FS Date: 9/30/2019 7:39:29 AM					

Photo 3 of 3 : UCIP_FA_2019_55791_82908.jpg



Pipe underneath pump house

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	0.14	Rating **	U	Issue No.	1553	
LM End	0.14	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.801479°	38.801479°	
				-121.725176°	-121.725176°	
DWR ID	20356					
Comment Code						
Inspector Comment						
DS_ID:20356 FS_ID:55792 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 09/30/2019 Erosion around headwall on WS progresses. Roger Cornwell who is a head of an irrigation district that operates the plant has been notified. Needs to run pumps to see if erosion is caused by leaking pipe(s). (O.Yakimov - DWR UCIP)03/12/2013 Headwall undermined 3-4-feet on WS toe. FIELD_STRUCT_DESC: 2 of 3: 36-inch steel drainage pipe through the levee, 30 feet below the crown. Flap gate on the waterside (WS) end. 24-inch pipe sleeved through the 36-inch pipe. Annular space between pipes grouted. Pumps inside pump house with a walkway on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 0.15)]. FS Date: 9/30/2019 8:01:37 AM						

LM Start	0.14	Rating **	U	Issue No.	1553 (cont)
LM End	0.14	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_55792_82912.jpg



View of levee crown at the crossing

Photo 2 of 3 : UCIP_FA_2019_55792_82911.jpg



Pumping plant on LS

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspections**

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Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	0.14	Rating **	U	Issue No.	1553 (cont)	
LM End	0.14	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.801479°	38.801479°	
				-121.725176°	-121.725176°	
DWR ID	20356					
Comment Code						
Inspector Comment						
DS_ID:20356 FS_ID:55792 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 09/30/2019 Erosion around headwall on WS progresses. Roger Cornwell who is a head of an irrigation district that operates the plant has been notified. Needs to run pumps to see if erosion is caused by leaking pipe(s). (O.Yakimov - DWR UCIP)03/12/2013 Headwall undermined 3-4-feet on WS toe. FIELD_STRUCT_DESC: 2 of 3: 36-inch steel drainage pipe through the levee, 30 feet below the crown. Flap gate on the waterside (WS) end. 24-inch pipe sleeved through the 36-inch pipe. Annular space between pipes grouted. Pumps inside pump house with a walkway on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 0.15)]. FS Date: 9/30/2019 8:01:37 AM						

Photo 3 of 3 : UCIP_FA_2019_55792_82916.jpg



WS levee slope and air vents

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	0.14	Rating **	U	Issue No.	1554	
LM End	0.14	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.801491 °	38.801491 °	
				-121.725184 °	-121.725184 °	
DWR ID	20357					
Comment Code						
Inspector Comment						
DS_ID:20357 FS_ID:55793 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 09/30/2019 Erosion around headwall on WS progresses. Roger Cornwell who is a head of an irrigation district that operates the plant has been notified. Needs to run pumps to see if erosion is caused by leaking pipe(s). (O.Yakimov - DWR UCIP)03/12/2013 Headwall undermined 3-4-feet on WS toe. FIELD_STRUCT_DESC: 3 of 3: 36-inch steel drainage pipe through the levee, 30 feet below the crown. Flap gate on the waterside (WS) end. 24-inch pipe sleeved through the 36-inch pipe. Annular space between pipes grouted. Pumps inside pump house with a walkway on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 0.15)]. FS Date: 9/30/2019 8:02:02 AM						

Photo 1 of 3 : UCIP_FA_2019_55793_82917.jpg



Pump house on LS

LM Start	0.14	Rating **	U	Issue No.	1554 (cont)
LM End	0.14	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_55793_82920.jpg



Slide gates at pumphouse on LS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	0.14	Rating **	U	Issue No.	1554 (cont)	
LM End	0.14	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.801491°	38.801491°	
				-121.725184°	-121.725184°	
DWR ID	20357					
Comment Code						
Inspector Comment						
DS_ID:20357 FS_ID:55793 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 09/30/2019 Erosion around headwall on WS progresses. Roger Cornwell who is a head of an irrigation district that operates the plant has been notified. Needs to run pumps to see if erosion is caused by leaking pipe(s). (O.Yakimov - DWR UCIP)03/12/2013 Headwall undermined 3-4-feet on WS toe. FIELD_STRUCT_DESC: 3 of 3: 36-inch steel drainage pipe through the levee, 30 feet below the crown. Flap gate on the waterside (WS) end. 24-inch pipe sleeved through the 36-inch pipe. Annular space between pipes grouted. Pumps inside pump house with a walkway on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 0.15)]. FS Date: 9/30/2019 8:02:02 AM						

Photo 3 of 3 : UCIP_FA_2019_55793_82921.jpg



Pump house view from LS looking towards levee

LM Start	0.22	Rating **	M	Issue No.	1555
LM End	0.22	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.802293 °	38.802293 °
				-121.724847 °	-121.724847 °
DWR ID	20327				
Comment Code					
Inspector Comment					
DS_ID:20327					
FS_ID:55794					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 09/30/2019 Crossing looks abandoned (O.Yakimov - DWR UCIP)					
FIELD_STRUCT_DESC: *ABANDONED* 42-inch drainage pipe of an unknown material through the levee, 28.5 feet below the crown.					
Abandoned in place by plugging with concrete. Headwall on waterside (WS) toe. [Additional Reference(s): USACE Sacramento O&M Manual 130, May 1960 (HLM 0.22)].					
FS Date: 9/30/2019 9:45:45 AM					

Photo 1 of 2 : UCIP_FA_2019_55794_82922.jpg



Ruins of a structure on LS

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	0.22	Rating **	M	Issue No.	1555 (cont)	
LM End	0.22	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.802293 °	38.802293 °	
				-121.724847 °	-121.724847 °	
DWR ID	20327					
Comment Code						
Inspector Comment						
DS_ID:20327						
FS_ID:55794						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 09/30/2019 Crossing looks abandoned (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: *ABANDONED* 42-inch drainage pipe of an unknown material through the levee, 28.5 feet below the crown.						
Abandoned in place by plugging with concrete. Headwall on waterside (WS) toe. [Additional Reference(s): USACE Sacramento O&M Manual 130, May 1960 (HLM 0.22)].						
FS Date: 9/30/2019 9:45:45 AM						

Photo 2 of 2 : UCIP_FA_2019_55794_82923.jpg



Concrete headwall and chute located at WS toe

LM Start	2.09	Rating **	C	Issue No.	76
LM End	2.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.828597 °	38.828597 °
				-121.726049 °	-121.726049 °
DWR ID	DWR_NA0016_01_s_2019_76				
Comment Code					
TR : Tree or limb					
Inspector Comment					
A fallen tree is located on the waterside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	2.54	Rating **	M	Issue No.	161
LM End	2.54	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.833804 °	38.833804 °
				-121.731076 °	-121.731076 °
DWR ID	DWR_NA0016_01_f_2019_161				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove fallen limbs at the waterside toe.					

No Photos

LM Start	3.54	Rating **	M	Issue No.	1562	
LM End	3.54	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			38.846492 °		38.846492 °
				-121.730066 °		-121.730066 °
DWR ID	20331					
Comment Code						
Inspector Comment						
DS_ID:20331 FS_ID:55802 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/30/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 5-foot by 5-foot reinforced concrete box drainage tunnel through the levee, 33 feet below the crown. Slide gate at outlet on the waterside (WS) toe. Tunnel runs from concrete U-shaped riser unit on the landside (LS) shoulder to the WS toe. Steel walkway to slide gate actuator on the WS berm. [Additional Reference(s): USACE Sacramento O&M Manual 130, May 1960 (HLM 3.59)]. FS Date: 9/30/2019 12:53:17 PM						

Photo 1 of 3 : UCIP_FA_2019_55802_82942.jpg



View of LS looking from levee crown

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	3.54	Rating **	M	Issue No.	1562 (cont)	
LM End	3.54	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			38.846492 °		38.846492 °
				-121.730066 °		-121.730066 °
DWR ID	20331					
Comment Code						
Inspector Comment						
DS_ID:20331 FS_ID:55802 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/30/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 5-foot by 5-foot reinforced concrete box drainage tunnel through the levee, 33 feet below the crown. Slide gate at outlet on the waterside (WS) toe. Tunnel runs from concrete U-shaped riser unit on the landside (LS) shoulder to the WS toe. Steel walkway to slide gate actuator on the WS berm. [Additional Reference(s): USACE Sacramento O&M Manual 130, May 1960 (HLM 3.59)]. FS Date: 9/30/2019 12:53:17 PM						

Photo 2 of 3 : UCIP_FA_2019_55802_82944.jpg



Top of concrete distribution box. Two filling pipes are coming from pump house.

LM Start	3.54	Rating **	M	Issue No.	1562 (cont)
LM End	3.54	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_55802_82943.jpg



Concrete distribution box on LS slope

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	5.81	Rating **	C	Issue No.	77
LM End	5.81	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.866770 °	38.866770 °
				-121.747840 °	-121.747840 °
DWR ID	DWR_NA0016_01_s_2019_77				
Comment Code					
TR : Tree or limb					
Inspector Comment					
A fallen tree is located on the waterside slope.					

No Photos

LM Start	5.87	Rating **	M	Issue No.	162
LM End	5.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.867647 °	38.867647 °
				-121.748183 °	-121.748183 °
DWR ID	DWR_NA0016_01_f_2019_162				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove fallen limbs on the waterside slope and toe.					

No Photos

LM Start	8.55	Rating **	A/W	Issue No.	112
LM End	8.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.857422 °	38.857422 °
				-121.780870 °	-121.780870 °
DWR ID	DWR_NA0016_01_s_2018_112				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Location on waterside berm where oak tree fell and removed soil around the roots. Appears to be stable, but recommend monitoring.					

Photo 1 of 4 : FA_2019_NA0016_435_112_20190829_00043.jpg



View of erosion on the waterside berm. Spring 2019.

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Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	8.55	Rating **	A/W	Issue No.	112 (cont)	
LM End	8.55	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.857422 °		38.857422 °
				-121.780870 °		-121.780870 °
DWR ID	DWR_NA0016_01_s_2018_112					
Comment Code						
E1 : Note and monitor erosion site.						
Inspector Comment						
Location on waterside berm where oak tree fell and removed soil around the roots. Appears to be stable, but recommend monitoring.						

Photo 2 of 4 : FA_2019_NA0016_435_112_20190829_00044.jpg



View of the berm where the oak tree used to stand, facing the Sacramento River. Spring 2018.

LM Start	8.55	Rating **	A/W	Issue No.	112 (cont)
LM End	8.55	Issue Type +	Ma	Location *	WS

Photo 3 of 4 : FA_2019_NA0016_435_112_20190829_00045.jpg



View of the remaining roots, facing upstream. Spring 2018.

LM Start	8.55	Rating **	A/W	Issue No.	112 (cont)
LM End	8.55	Issue Type +	Ma	Location *	WS

Photo 4 of 4 : FA_2019_NA0016_435_112_20190829_00046.jpg



Additional view of the berm. Spring 2018.

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	8.89	Rating **	M	Issue No.	1570
LM End	8.89	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.856531 °	38.856531 °
				-121.785605 °	-121.785605 °
DWR ID	20230				
Comment Code					
Inspector Comment					
DS_ID:20230 FS_ID:55837 EP_NO: 9376 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/30/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: [El Dorado Bend Pumping Plant] 1 of 4: 50-inch sleeved through existing 54-inch concrete encased steel drainage pipe through the levee, 26.5 feet below the crown. Gate valves on the waterside (WS) ends of the pipes. Walkway provided to the control valves and around the pump house on the landside (LS). Pipes originate in a large concrete pool at the pump house on the LS. (54-inch pipe [HLM 5.27] authorized under Automatic Board Order (ABO) issued as Permit No. 9376, 1974 - Reclamation District Nos. 2047 and 108; 50-inch pipe sleeved through existing 54-inch pipe and trash rack repairs authorized under maintenance in 2013). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 8.99)]. FS Date: 9/30/2019 11:08:36 AM					

LM Start	8.89	Rating **	M	Issue No.	1570 (cont)
LM End	8.89	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_55837_83095.jpg



Headwall, slide gate, pipe in river channel

Photo 2 of 3 : UCIP_FA_2019_55837_83075.jpg



Walkway to slide gate actuators on WS shoulder

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	8.89	Rating **	M	Issue No.	1570 (cont)	
LM End	8.89	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.856531 °	38.856531 °	
				-121.785605 °	-121.785605 °	
DWR ID	20230					
Comment Code						
Inspector Comment						
DS_ID:20230 FS_ID:55837 EP_NO: 9376 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/30/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: [El Dorado Bend Pumping Plant] 1 of 4: 50-inch sleeved through existing 54-inch concrete encased steel drainage pipe through the levee, 26.5 feet below the crown. Gate valves on the waterside (WS) ends of the pipes. Walkway provided to the control valves and around the pump house on the landside (LS). Pipes originate in a large concrete pool at the pump house on the LS. (54-inch pipe [HLM 5.27] authorized under Automatic Board Order (ABO) issued as Permit No. 9376, 1974 - Reclamation District Nos. 2047 and 108; 50-inch pipe sleeved through existing 54-inch pipe and trash rack repairs authorized under maintenance in 2013). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 8.99)]. FS Date: 9/30/2019 11:08:36 AM						

Photo 3 of 3 : UCIP_FA_2019_55837_83096.jpg



LS view of pumping plant looking from irrigation canal

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	8.90	Rating **	M	Issue No.	1571
LM End	8.90	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.856554 °	38.856554 °
				-121.785613 °	-121.785613 °
DWR ID	20361				
Comment Code					
Inspector Comment					
DS_ID:20361 FS_ID:55838 EP_NO: 9376 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/30/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: [El Dorado Bend Pumping Plant] 2 of 4: 54-inch concrete encased steel drainage discharge pipe through the levee, 26.5 feet below the crown. Gate valves on both ends of the pipe. Walkway provided to the gate valves on the waterside (WS) shoulder. Pipe not visible on landside (LS) toe. (54-inch pipe [HLM 5.27] authorized under Automatic Board Order (ABO) issued as Permit No. 9376, 1974 - Reclamation District Nos. 2047 and 108; now work was done in 2013 at this location). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 8.99)]. FS Date: 9/30/2019 11:11:30 AM					

Photo 1 of 3 : UCIP_FA_2019_55838_83077.jpg



Walkway to slide gate actuators on WS shoulder

LM Start	8.90	Rating **	M	Issue No.	1571 (cont)
LM End	8.90	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_55838_83078.jpg



Pipes and slide gates at outlet onWS

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	8.90	Rating **	M	Issue No.	1571 (cont)	
LM End	8.90	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.856554 °	38.856554 °	
				-121.785613 °	-121.785613 °	
DWR ID	20361					
Comment Code						
Inspector Comment						
DS_ID:20361 FS_ID:55838 EP_NO: 9376 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/30/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: [El Dorado Bend Pumping Plant] 2 of 4: 54-inch concrete encased steel drainage discharge pipe through the levee, 26.5 feet below the crown. Gate valves on both ends of the pipe. Walkway provided to the gate valves on the waterside (WS) shoulder. Pipe not visible on landside (LS) toe. (54-inch pipe [HLM 5.27] authorized under Automatic Board Order (ABO) issued as Permit No. 9376, 1974 - Reclamation District Nos. 2047 and 108; now work was done in 2013 at this location). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 8.99)]. FS Date: 9/30/2019 11:11:30 AM						

Photo 3 of 3 : UCIP_FA_2019_55838_17317.jpg



Pipe missing from intake structure on LS of pumphouse.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	8.90	Rating **	M	Issue No.	1572
LM End	8.90	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.856572 °	38.856572 °
				-121.785620 °	-121.785620 °
DWR ID	20362				
Comment Code					
Inspector Comment					
DS_ID:20362 FS_ID:55839 EP_NO: 9376 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/30/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: [El Dorado Bend Pumping Plant] 3 of 4: 50-inch sleeved through existing 54-inch concrete encased steel drainage discharge pipe through the levee, 26.5 feet below the crown. Gate valves on both ends of the pipe. Walkway provided to the control valves inside the pump house. (54-inch pipe [HLM 5.27] authorized under Automatic Board Order (ABO) issued as Permit No. 9376, 1974 - Reclamation District Nos. 2047 and 108; 50-inch pipe sleeved through existing 54-inch pipe and trash rack repairs authorized under maintenance in 2013). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 8.99)]. FS Date: 9/30/2019 11:13:11 AM					

Photo 1 of 3 : UCIP_FA_2019_55839_83079.jpg



Slide gate actuators on platform at WS shoulder

LM Start	8.90	Rating **	M	Issue No.	1572 (cont)
LM End	8.90	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_55839_83080.jpg



Pipes and slide gates at outlet on WS

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	8.90	Rating **	M	Issue No.	1572 (cont)	
LM End	8.90	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.856572 °	38.856572 °	
				-121.785620 °	-121.785620 °	
DWR ID	20362					
Comment Code						
Inspector Comment						
DS_ID:20362 FS_ID:55839 EP_NO: 9376 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/30/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: [El Dorado Bend Pumping Plant] 3 of 4: 50-inch sleeved through existing 54-inch concrete encased steel drainage discharge pipe through the levee, 26.5 feet below the crown. Gate valves on both ends of the pipe. Walkway provided to the control valves inside the pump house. (54-inch pipe [HLM 5.27] authorized under Automatic Board Order (ABO) issued as Permit No. 9376, 1974 - Reclamation District Nos. 2047 and 108; 50-inch pipe sleeved through existing 54-inch pipe and trash rack repairs authorized under maintenance in 2013). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 8.99)]. FS Date: 9/30/2019 11:13:11 AM						

Photo 3 of 3 : UCIP_FA_2019_55839_17321.jpg



Pipes at inlet on LS of pumphouse.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	8.90	Rating **	M	Issue No.	1573	
LM End	8.90	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.856608 °	38.856608 °	
				-121.785622 °	-121.785622 °	
DWR ID	20363					
Comment Code						
Inspector Comment						
DS_ID:20363 FS_ID:55836 EP_NO: 9376 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/30/2019 Pipe outlet on WS has been modified to serve at inlet. Pipe runs down to a sump in river channel. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: [El Dorado Bend Pumping Plant] 4 of 4: 50-inch sleeved through existing 54-inch concrete encased steel drainage discharge pipe through the levee, 26.5 feet below the crown. Gate valves on both ends of the pipe. Walkway provided to the control valves. (54-inch pipe [HLM 5.27] authorized under Automatic Board Order (ABO) issued as Permit No. 9376, 1974 - Reclamation District Nos. 2047 and 108; 50-inch pipe sleeved through existing 54-inch pipe and trash rack repairs authorized under maintenance in 2013). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 8.99)]. FS Date: 9/30/2019 10:56:50 AM						

LM Start	8.90	Rating **	M	Issue No.	1573 (cont)
LM End	8.90	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_55836_83072.jpg



Walkway to slide gate actuators on WS shoulder

Photo 2 of 3 : UCIP_FA_2019_55836_83073.jpg



Headwall, slide gate, pipe in river channel

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	8.90	Rating **	M	Issue No.	1573 (cont)	
LM End	8.90	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.856608 °	38.856608 °	
				-121.785622 °	-121.785622 °	
DWR ID	20363					
Comment Code						
Inspector Comment						
DS_ID:20363 FS_ID:55836 EP_NO: 9376 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/30/2019 Pipe outlet on WS has been modified to serve at inlet. Pipe runs down to a sump in river channel. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: [El Dorado Bend Pumping Plant] 4 of 4: 50-inch sleeved through existing 54-inch concrete encased steel drainage discharge pipe through the levee, 26.5 feet below the crown. Gate valves on both ends of the pipe. Walkway provided to the control valves. (54-inch pipe [HLM 5.27] authorized under Automatic Board Order (ABO) issued as Permit No. 9376, 1974 - Reclamation District Nos. 2047 and 108; 50-inch pipe sleeved through existing 54-inch pipe and trash rack repairs authorized under maintenance in 2013). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 8.99)]. FS Date: 9/30/2019 10:56:50 AM						

Photo 3 of 3 : UCIP_FA_2019_55836_83074.jpg



LS view of pumping plant looking from irrigation canal

LM Start	9.68	Rating **	A/W	Issue No.	29
LM End	9.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.862345 °	38.862848 °
				-121.791337 °	-121.793267 °
DWR ID	DWR_NA0016_01_s_2012_29				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

Photo 1 of 2 : FA_2019_NA0016_435_29_20190829_00007.jpg



View of the revegetation site on the waterward side of the levee looking upstream. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	9.68	Rating **	A/W	Issue No.	29 (cont)	
LM End	9.79	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.862345 °		38.862848 °
				-121.791337 °		-121.793267 °
DWR ID	DWR_NA0016_01_s_2012_29					
Comment Code						
V8 : Environmental Requirements.						
Inspector Comment						

Photo 2 of 2 : FA_2019_NA0016_435_29_20190829_00008.jpg



Revegetation site sign. Spring 2016.

LM Start	9.75	Rating **	M	Issue No.	1574
LM End	9.75	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.862615 °	38.862615 °
				-121.792582 °	-121.792582 °
DWR ID	20232				
Comment Code					
Inspector Comment					
DS_ID:20232 FS_ID:55842 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/30/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 1 of 5: 60-inch reinforced concrete drainage culvert through the levee, 35 feet below the crown. Screw gates on walkway at waterside (WS) shoulder. Staff gauge to 47.0 feet on structure. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 9.87)]. FS Date: 9/30/2019 11:47:04 AM					

Photo 1 of 3 : UCIP_FA_2019_55842_83088.jpg



Slide gate actuators on WS shoulder

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	9.75	Rating **	M	Issue No.	1574 (cont)	
LM End	9.75	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			38.862615 °		38.862615 °
				-121.792582 °		-121.792582 °
DWR ID	20232					
Comment Code						
Inspector Comment						
DS_ID:20232 FS_ID:55842 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/30/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 1 of 5: 60-inch reinforced concrete drainage culvert through the levee, 35 feet below the crown. Screw gates on walkway at waterside (WS) shoulder. Staff gauge to 47.0 feet on structure. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 9.87)]. FS Date: 9/30/2019 11:47:04 AM						

Photo 2 of 3 : UCIP_FA_2019_55842_83097.jpg



Slide gates at concrete headwall at river

LM Start	9.75	Rating **	M	Issue No.	1574 (cont)
LM End	9.75	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_55842_83098.jpg



Pipes at entrance to pumping plant building on LS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	9.76	Rating **	M	Issue No.	1575	
LM End	9.76	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.862624 °	38.862624 °	
				-121.792626 °	-121.792626 °	
DWR ID	20364					
Comment Code						
Inspector Comment						
DS_ID:20364						
FS_ID:55843						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 09/30/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 2 of 5: 60-inch reinforced concrete drainage culvert through the levee, 35 feet below the crown. Screw gate actuators on metal platform on the waterside (WS) shoulder. Large pumping plant building on the landside (LS) shoulder. Staff gauge to 47 feet on structure. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 9.87)].						
FS Date: 9/30/2019 11:47:39 AM						

Photo 1 of 3 : UCIP_FA_2019_55843_83099.jpg



Slide gate actuators on WS shoulder

LM Start	9.76	Rating **	M	Issue No.	1575 (cont)
LM End	9.76	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_55843_83100.jpg



Slide gates at concrete headwall at river

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	9.76	Rating **	M	Issue No.	1575 (cont)	
LM End	9.76	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.862624 °	38.862624 °	
				-121.792626 °	-121.792626 °	
DWR ID	20364					
Comment Code						
Inspector Comment						
DS_ID:20364						
FS_ID:55843						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 09/30/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 2 of 5: 60-inch reinforced concrete drainage culvert through the levee, 35 feet below the crown. Screw gate actuators on metal platform on the waterside (WS) shoulder. Large pumping plant building on the landside (LS) shoulder. Staff gauge to 47 feet on structure. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 9.87)].						
FS Date: 9/30/2019 11:47:39 AM						

Photo 3 of 3 : UCIP_FA_2019_55843_83101.jpg



Pipes at entrance to pumping plant building on LS toe

LM Start	9.76	Rating **	M	Issue No.	1576
LM End	9.76	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.862633 °	38.862633 °
				-121.792669 °	-121.792669 °
DWR ID	20365				
Comment Code					
Inspector Comment					
DS_ID:20365					
FS_ID:55844					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 09/30/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)					
FIELD_STRUCT_DESC: 3 of 5: 60-inch reinforced concrete drainage culvert through the levee, 35 feet below the crown. Screw gate actuators on metal platform on the waterside (WS) shoulder. Large pumping plant building on the landside (LS) shoulder. Staff gauge to 47 feet on structure. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 9.87)].					
FS Date: 9/30/2019 11:48:05 AM					

Photo 1 of 3 : UCIP_FA_2019_55844_83102.jpg



Slide gate actuators on WS shoulder

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	9.76	Rating **	M	Issue No.	1576 (cont)	
LM End	9.76	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.862633 °	38.862633 °	
				-121.792669 °	-121.792669 °	
DWR ID	20365					
Comment Code						
Inspector Comment						
DS_ID:20365						
FS_ID:55844						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 09/30/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 3 of 5: 60-inch reinforced concrete drainage culvert through the levee, 35 feet below the crown. Screw gate actuators on metal platform on the waterside (WS) shoulder. Large pumping plant building on the landside (LS) shoulder. Staff gauge to 47 feet on structure. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 9.87)].						
FS Date: 9/30/2019 11:48:05 AM						

LM Start	9.76	Rating **	M	Issue No.	1576 (cont)
LM End	9.76	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_55844_83103.jpg



Slide gates at concrete headwall at river

Photo 3 of 3 : UCIP_FA_2019_55844_83104.jpg



Pipes at entrance to pumping plant building on LS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	9.76	Rating **	M	Issue No.	1577	
LM End	9.76	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			38.862642 °		38.862642 °
				-121.792713 °		-121.792713 °
DWR ID	20366					
Comment Code						
Inspector Comment						
DS_ID:20366 FS_ID:55845 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/30/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 4 of 5: 60-inch reinforced concrete drainage culvert through the levee, 35 feet below the crown. Screw gate actuators on metal platform on the waterside (WS) shoulder. Large pumping plant building on the landside (LS) shoulder. Staff gauge to 47 feet on structure. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 9.87)]. FS Date: 9/30/2019 11:48:29 AM						

Photo 1 of 3 : UCIP_FA_2019_55845_83105.jpg



Slide gate actuators on WS shoulder

LM Start	9.76	Rating **	M	Issue No.	1577 (cont)
LM End	9.76	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_55845_83106.jpg



Slide gates at concrete headwall at river

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	9.76	Rating **	M	Issue No.	1577 (cont)	
LM End	9.76	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.862642 °	38.862642 °	
				-121.792713 °	-121.792713 °	
DWR ID	20366					
Comment Code						
Inspector Comment						
DS_ID:20366						
FS_ID:55845						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 09/30/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 4 of 5: 60-inch reinforced concrete drainage culvert through the levee, 35 feet below the crown. Screw gate actuators on metal platform on the waterside (WS) shoulder. Large pumping plant building on the landside (LS) shoulder. Staff gauge to 47 feet on structure. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 9.87)].						
FS Date: 9/30/2019 11:48:29 AM						

Photo 3 of 3 : UCIP_FA_2019_55845_83107.jpg



Pipes at entrance to pumping plant building on LS toe

LM Start	9.76	Rating **	M	Issue No.	1578
LM End	9.76	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.862650 °	38.862650 °
				-121.792754 °	-121.792754 °
DWR ID	20367				
Comment Code					
Inspector Comment					
DS_ID:20367					
FS_ID:55846					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 09/30/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)					
FIELD_STRUCT_DESC: 5 of 5: 60-inch reinforced concrete drainage culvert through the levee, 35 feet below the crown. Screw gate actuators on metal platform on the waterside (WS) shoulder. Large pumping plant building on the landside (LS) shoulder. Staff gauge to 47 feet on structure. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 9.87)].					
FS Date: 9/30/2019 11:48:54 AM					

Photo 1 of 3 : UCIP_FA_2019_55846_83108.jpg



Slide gate actuators on WS shoulder

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	9.76	Rating **	M	Issue No.	1578 (cont)	
LM End	9.76	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.862650 °	38.862650 °	
				-121.792754 °	-121.792754 °	
DWR ID	20367					
Comment Code						
Inspector Comment						
DS_ID:20367 FS_ID:55846 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/30/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 5 of 5: 60-inch reinforced concrete drainage culvert through the levee, 35 feet below the crown. Screw gate actuators on metal platform on the waterside (WS) shoulder. Large pumping plant building on the landside (LS) shoulder. Staff gauge to 47 feet on structure. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 9.87)]. FS Date: 9/30/2019 11:48:54 AM						

Photo 2 of 3 : UCIP_FA_2019_55846_83109.jpg



Slide gates at concrete headwall at river

LM Start	9.76	Rating **	M	Issue No.	1578 (cont)
LM End	9.76	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_55846_83110.jpg



Pipes at entrance to pumping plant building on LS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	11.50	Rating **	A/W	Issue No.	84
LM End	11.53	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.874854 °	38.875109 °
				-121.813018 °	-121.813592 °
DWR ID	DWR_NA0016_01_f_2018_84				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 101.3 R					
Status: Eroding					
2017 Field Notes: No observed change..					
Site History: 1997 - Toe damage and loss of cobble revetment and small patch of local damage to the cobble revetment. 2000 - Cohesive vertical toe; revegetation site.					

Photo 1 of 1 : FA_2019_NA0016_435_84_20190829_00022.jpg



USACE 2013 Photo #1

LM Start	12.61	Rating **	C	Issue No.	78
LM End	12.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.888761 °	38.888761 °
				-121.814375 °	-121.814375 °
DWR ID	DWR_NA0016_01_s_2019_78				
Comment Code					
TR : Tree or limb					
Inspector Comment					
A fallen tree is located on the waterside slope.					

No Photos

LM Start	14.49	Rating **	M	Issue No.	166
LM End	14.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.909062 °	38.909062 °
				-121.813712 °	-121.813712 °
DWR ID	DWR_NA0016_01_f_2019_166				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There are rodent holes on the landside slope. The LMA has placed bait stations.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	14.77	Rating **	C	Issue No.	107
LM End	14.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.912188 °	38.912188 °
				-121.816825 °	-121.816825 °
DWR ID	DWR_NA0016_01_f_2018_107				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There are less than 5 holes on the landside slope. LMA has a bait station. Recommend monitoring.					

No Photos

LM Start	14.77	Rating **	C	Issue No.	79
LM End	14.77	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.912223 °	38.912223 °
				-121.816836 °	-121.816836 °
DWR ID	DWR_NA0016_01_s_2019_79				
Comment Code					
TR : Tree or limb					
Inspector Comment					
A fallen tree is located on the waterside slope.					

No Photos

LM Start	15.09	Rating **	M	Issue No.	167
LM End	15.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.916206 °	38.916206 °
				-121.817752 °	-121.817752 °
DWR ID	DWR_NA0016_01_f_2019_167				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There are 3 rodent holes on the landside toe.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	15.20	Rating **	M	Issue No.	168
LM End	15.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.916970 °	38.916970 °	
			-121.819389 °	-121.819389 °	
DWR ID	DWR_NA0016_01_f_2019_168				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There are two large mounds at the landside toe.					

No Photos

LM Start	18.23	Rating **	M	Issue No.	80
LM End	18.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.947041 °	38.947041 °	
			-121.837440 °	-121.837440 °	
DWR ID	DWR_NA0016_01_s_2019_80				
Comment Code					
TR : Tree or limb					
Inspector Comment					
A fallen tree is located on the waterside slope.					

No Photos

LM Start	18.27	Rating **	M	Issue No.	169
LM End	18.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.947652 °	38.947652 °	
			-121.837358 °	-121.837358 °	
DWR ID	DWR_NA0016_01_f_2019_169				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Tree limbs on the waterside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

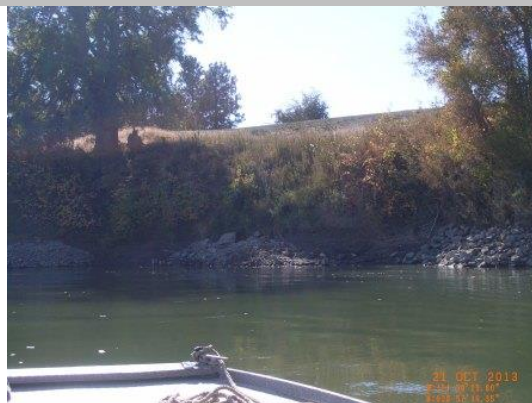
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	18.76	Rating **	A/W	Issue No.	121
LM End	18.78	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.954060 °	38.954312 °
				-121.840560 °	-121.840774 °
DWR ID	DWR_NA0016_01_s_2012_2				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:9					
Site Designation:DWR_NA0016_01_s_2012_2					
Repair Type: Erosion					
Rating:Serious					
Field Date:8/28/2017					
Notes: near abandoned pump intake					
Scheduled for repair.					

No Photos

LM Start	18.76	Rating **	A/W	Issue No.	85
LM End	18.78	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.954060 °	38.954312 °
				-121.840560 °	-121.840774 °
DWR ID	DWR_NA0016_01_f_2018_85				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 111.0 R					
Status: Eroding					
2017 Field Notes: No observed change.					
Site History: 2009 - Minor erosion, should be repaired under maintenance. 2011 - Some new minor erosion at the toe.					

Photo 1 of 1 : FA_2019_NA0016_435_85_20190829_00023.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	23.55	Rating **	A/W	Issue No.	86
LM End	23.65	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.997696 °	38.998336 °
				-121.797584 °	-121.799298 °
DWR ID	DWR_NA0016_01_f_2018_86				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 115.9 R					
Status: Eroding					
2017 Field Notes: No observed change.					
Site History: 2008 - Slippage of cobbles off hard underlying toe material. 2011 - Minor slumping site. 2012 - Failing cobble site, site extended upstream. 2016 - New erosion pockets.					

Photo 1 of 1 : FA_2019_NA0016_435_86_20190829_00024.jpg



USACE 2013 Photo #1

LM Start	25.75	Rating **	A/W	Issue No.	88
LM End	25.91	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			39.014499 °	39.016401 °
				-121.825880 °	-121.824230 °
DWR ID	DWR_NA0016_01_f_2018_88				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 118.0 R					
Status: Eroding					
2017 Field Notes: No observed change.					
Site History: 2008 - Whole bank is eroding, nearly vertical slope with cohesive toe. Bed is very deep along the toe (greater than 30 ft deep at 20 ft from the shore). 2011 - Some new minor erosion. 2016 - Minor new erosion.					

Photo 1 of 1 : FA_2019_NA0016_435_88_20190829_00026.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	25.76	Rating **	C	Issue No.	81
LM End	25.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			39.014725 °	39.014725 °
				-121.826050 °	-121.826050 °
DWR ID	DWR_NA0016_01_s_2019_81				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					
50' cracking section on waterside bench. LMA has staked crown and painted over the cracks. Recommend monitoring.					

No Photos

LM Start	27.54	Rating **	M	Issue No.	1620	
LM End	27.54	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.034870 °	39.034870 °	
				-121.833501 °	-121.833501 °	
DWR ID	20257					
Comment Code						
Inspector Comment						
DS_ID:20257 FS_ID:53982 EP_NO: 9355 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/06/2019 Inlet and outlet gates are silted. Missing handwheel on gate valve at LS toe. (O.Yakimov - DWR UCIP) Pipe needs to be properly abandoned. FIELD_STRUCT_DESC: *ABANDONED* 24-inch steel drainage pipe through the levee, 14 feet below the crown. Slide gate on the waterside (WS) end. Gate valve on the landside (LS) end. (24-inch pipe [HLM 27.89] authorized under Automatic Board Order (ABO) issued as Permit No. 9355, 1974 - Alvin Gustafson). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 27.89)]. FS Date: 5/6/2019 9:24:06 AM						

Photo 1 of 3 : UCIP_FA_2019_53982_79209.jpg



Slide gate silted on WS end

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	27.54	Rating **	M	Issue No.	1620 (cont)	
LM End	27.54	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.034870 °	39.034870 °	
				-121.833501 °	-121.833501 °	
DWR ID	20257					
Comment Code						
Inspector Comment						
DS_ID:20257 FS_ID:53982 EP_NO: 9355 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/06/2019 Inlet and outlet gates are silted. Missing handwheel on gate valve at LS toe. (O.Yakimov - DWR UCIP) Pipe needs to be properly abandoned. FIELD_STRUCT_DESC: *ABANDONED* 24-inch steel drainage pipe through the levee, 14 feet below the crown. Slide gate on the waterside (WS) end. Gate valve on the landside (LS) end. (24-inch pipe [HLM 27.89] authorized under Automatic Board Order (ABO) issued as Permit No. 9355, 1974 - Alvin Gustafson). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 27.89)]. FS Date: 5/6/2019 9:24:06 AM						

Photo 2 of 3 : UCIP_FA_2019_53982_79210.jpg



Gate valve silted at LS toe. Missing handwheel

LM Start	27.54	Rating **	M	Issue No.	1620 (cont)
LM End	27.54	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_53982_17548.jpg



Gate valve buried on LS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	28.64	Rating **	M	Issue No.	1623
LM End	28.64	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.048281 °	39.048281 °
				-121.841084 °	-121.841084 °
DWR ID	20341				
Comment Code					
Inspector Comment					
DS_ID:20341 FS_ID:53985 EP_NO: 9358 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/06/2019 No issues recorded during inspection. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 16-inch steel drainage pipe through the levee, 8.5 feet below the crown. Siphon breaker inside a 24-inch corrugated metal riser unit on the waterside (WS) slope. Pump inside pump house on the landside (LS). Overhead power line crosses the levee. Pole on the LS shoulder. (one 12-inch, one 16-inch, and one 24-inch pipes [HLM 29.02] authorized under Automatic Board Order (ABO) issued as Permit No. 9358, 1974 - Crocker National Bank (Trustee)). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 29.02)]. FS Date: 5/6/2019 12:51:38 PM					

Photo 1 of 3 : UCIP_FA_2019_53985_79218.jpg



Pumphouse and sump on LS looking from levee crown

LM Start	28.64	Rating **	M	Issue No.	1623 (cont)
LM End	28.64	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_53985_79217.jpg



CMP riser with siphon breaker on WS slope

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	28.64	Rating **	M	Issue No.	1623 (cont)	
LM End	28.64	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.048281 °	39.048281 °	
				-121.841084 °	-121.841084 °	
DWR ID	20341					
Comment Code						
Inspector Comment						
DS_ID:20341						
FS_ID:53985						
EP_NO: 9358						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/06/2019 No issues recorded during inspection.						
(O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 16-inch steel drainage pipe through the levee,						
8.5 feet below the crown. Siphon breaker inside a 24-inch corrugated						
metal riser unit on the waterside (WS) slope. Pump inside pump house						
on the landside (LS). Overhead power line crosses the levee. Pole on						
the LS shoulder. (one 12-inch, one 16-inch, and one 24-inch pipes						
[HLM 29.02] authorized under Automatic Board Order (ABO) issued as						
Permit No. 9358, 1974 - Crocker National Bank (Trustee)). [Additional						
Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M						
Manual 131, May 1960 (HLM 29.02)].						
FS Date: 5/6/2019 12:51:38 PM						

Photo 3 of 3 : UCIP_FA_2019_53985_79219.jpg



Pumphouse and sump on LS looking from landside

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	28.65	Rating **	M	Issue No.	1624
LM End	28.65	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.048295 °	39.048295 °
				-121.841088 °	-121.841088 °
DWR ID	20259				
Comment Code					
Inspector Comment					
DS_ID:20259 FS_ID:53986 EP_NO: 9358 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/06/2019 No issues recorded during inspection. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 10-inch steel drainage pipe through the levee, 8 feet below the crown. Siphon breaker in a 24-inch corrugated metal riser on the waterside (WS) slope. Slide gate at base of pump house on landside (LS) toe. Pump over sump at pump house on LS toe. Overhead power line crosses the levee. Pole on the LS shoulder. (one 12-inch, one 16-inch, and one 24-inch pipes [HLM 29.02] authorized under Automatic Board Order (ABO) issued as Permit No. 9358, 1974 - Crocker National Bank (Trustee)). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 29.02)]. FS Date: 5/6/2019 2:23:55 PM					

LM Start	28.65	Rating **	M	Issue No.	1624 (cont)
LM End	28.65	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_53986_79220.jpg



CMP riser with siphon breaker on WS slope

Photo 2 of 3 : UCIP_FA_2019_53986_79221.jpg



Pumphouse and sump on LS looking from levee crown

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	28.65	Rating **	M	Issue No.	1624 (cont)
LM End	28.65	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.048295 °	39.048295 °
				-121.841088 °	-121.841088 °
DWR ID	20259				
Comment Code					
Inspector Comment					
DS_ID:20259 FS_ID:53986 EP_NO: 9358 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/06/2019 No issues recorded during inspection. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 10-inch steel drainage pipe through the levee, 8 feet below the crown. Siphon breaker in a 24-inch corrugated metal riser on the waterside (WS) slope. Slide gate at base of pump house on landside (LS) toe. Pump over sump at pump house on LS toe. Overhead power line crosses the levee. Pole on the LS shoulder. (one 12-inch, one 16-inch, and one 24-inch pipes [HLM 29.02] authorized under Automatic Board Order (ABO) issued as Permit No. 9358, 1974 - Crocker National Bank (Trustee)). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 29.02)]. FS Date: 5/6/2019 2:23:55 PM					

Photo 3 of 3 : UCIP_FA_2019_53986_17569.jpg



Pumphouse over sump on LS toe.

LM Start	29.69	Rating **	A/W	Issue No.	89
LM End	29.73	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			39.063209 °	39.063997 °
				-121.838927 °	-121.839335 °
DWR ID	DWR_NA0016_01_f _ 2018_89				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 122.0 R					
Status: Eroding					
2017 Field Notes: Minor new erosion at toe.					
Site History: 1997 - Mass failure of the lower cohesive bank and toe.					
2000 - Still eroding, steeply dipping foresets in the toe are falling off.					
2010 - Some new erosion and some new deposition. Eddy current off					
the upstream rock. 2011 - Still plenty of berm left. 2016 - Minor new					
erosion.					

Photo 1 of 1 : FA_2019_NA0016_435_89_20190829_00027.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

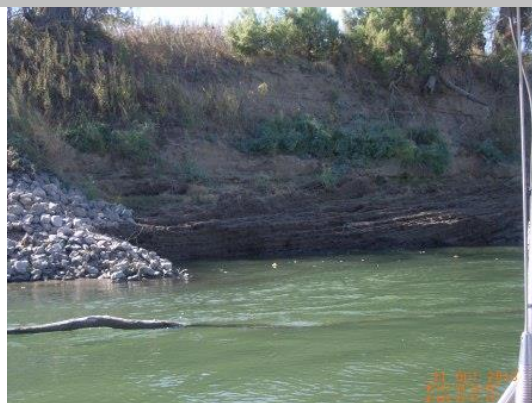
Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	29.96	Rating **	A/W	Issue No.	91
LM End	30.12	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			39.065886 °	39.067386 °
				-121.842950 °	-121.845266 °
DWR ID	DWR_NA0016_01_f _ 2018_91				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 122.3 R					
Status: Eroding					
2017 Field Notes: Fresh slumping erosion at toe.					
Site History: 2002 - Upstream end has recent slope failure and exposure of tree roots. 2003 - Some new minor slope erosion with new snags on the bank. 2004 - Appears a little worse. 2005 - Scallop in bank at the upstream end looks worse. 2009 - Minimal new erosion, Berm width is still large, but one large event or one fallen tree and it could go fast. 2010 - New erosion, bank is nearly all vertical from slumping. Site looks bad. 2011 - Site continues to look bad. 2012 - Minor new erosion. 2015 - Undermining of toe rock. 2016 - Site extended upstream, new erosion and exposed tree roots.					

Photo 1 of 1 : FA_2019_NA0016_435_91_20190829_00029.jpg



USACE 2013 Photo #1

LM Start	30.00	Rating **	C	Issue No.	83
LM End	30.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.066001 °	39.066001 °
				-121.843910 °	-121.843910 °
DWR ID	DWR_NA0016_01_s_2019_83				
Comment Code					
TR : Tree or limb					
Inspector Comment					
A very large fallen tree is located on the waterside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

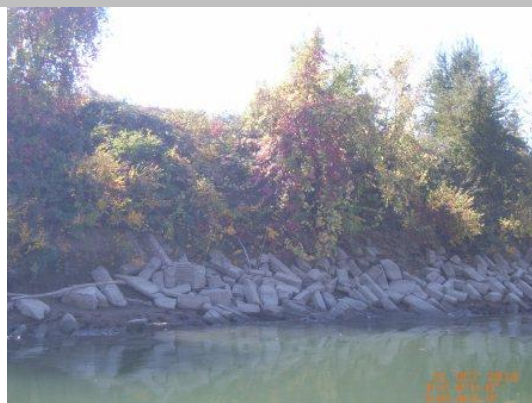
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	30.36	Rating **	C	Issue No.	111
LM End	30.36	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.069795 °	39.069795 °
				-121.848487 °	-121.848487 °
DWR ID	DWR_NA0016_01_s_2019_111				
Comment Code					
TR : Tree or limb					
Inspector Comment					
A fallen tree is located on the waterside slope.					

No Photos

LM Start	31.43	Rating **	A/W	Issue No.	92
LM End	31.45	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			39.067004°	39.066901°
				-121.866913°	-121.867322°
DWR ID	DWR_NA0016_01_f_2018_92				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 123.7 R					
Status: Eroding					
2017 Field Notes: No observed change.					
Site History: 1997 - Erosion into the levee section; old concrete rubble loss at toe; transition between the rock upstream and the cobble downstream. 2000 - Cohesive bench with concrete slabs on top; 25 ft deep scour hole on the downstream end.					

Photo 1 of 1 : FA_2019_NA0016_435_92_20190829_00030.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

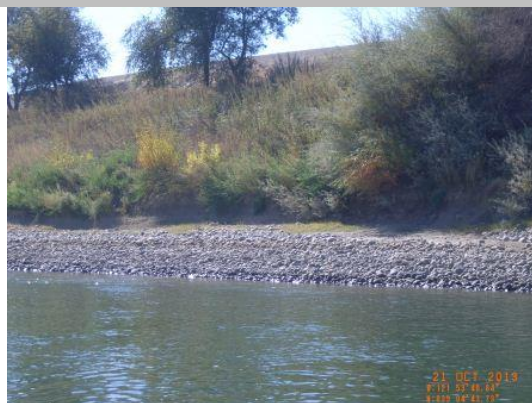
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	32.03	Rating **	M	Issue No.	41
LM End	32.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.069130 °	39.069130 °
				-121.876638 °	-121.876638 °
DWR ID	DWR_NA0016_01_s_2012_41				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	33.29	Rating **	A/W	Issue No.	93
LM End	33.37	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			39.078340 °	39.079351 °
				-121.894656 °	-121.895317 °
DWR ID	DWR_NA0016_01_f_2018_93				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 125.6 R					
Status: Eroding					
2017 Field Notes: No observed change.					
Site History: 2008 - Slow erosion of the hard toe. 2010 - Cobble rubble is failing, erosion is into the toe of the levee, with vertical slumping.					
2012 - Site appears to be relatively stable. 2013 - New animal holes.					

Photo 1 of 1 : FA_2019_NA0016_435_93_20190829_00031.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Sacramento River West Side Levee District

USACE 2013 Photo #1

View of the downstream stake on the waterside berm. Spring 2019.

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	35.26	Rating **	A/W	Issue No.	114 (cont)	
LM End	35.29	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			39.099746 °	39.100122 °	
				-121.904555 °	-121.904658 °	
DWR ID	DWR_NA0016_01_s_2019_114					
Comment Code						
E1 : Note and monitor erosion site.						
Inspector Comment						
Erosion on the waterside berm reported during 2018 storms. Approximately 45' from the bank to the waterside toe is left. Recommend monitoring.						

LM Start	35.26	Rating **	A/W	Issue No.	114 (cont)
LM End	35.29	Issue Type +	Ma	Location *	WS

Photo 2 of 5 : FA_2019_NA0016_435_114_20190829_00049.jpg



View of the middle stake on the waterside berm. Spring 2019.

Photo 3 of 5 : FA_2019_NA0016_435_114_20190829_00050.jpg



View of the erosion site facing downstream. Spring 2019.

LM Start	35.26	Rating **	A/W	Issue No.	114 (cont)
LM End	35.29	Issue Type +	Ma	Location *	WS

Photo 4 of 5 : FA_2019_NA0016_435_114_20190829_00051.jpg



View of the upstream stake on the waterside berm. Spring 2019.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	35.26	Rating **	A/W	Issue No.	114 (cont)	
LM End	35.29	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			39.099746 °		39.100122 °
				-121.904555 °		-121.904658 °
DWR ID	DWR_NA0016_01_s_2019_114					
Comment Code						
E1 : Note and monitor erosion site.						
Inspector Comment						
Erosion on the waterside berm reported during 2018 storms. Approximately 45' from the bank to the waterside toe is left. Recommend monitoring.						

Photo 5 of 5 : FA_2019_NA0016_435_114_20190829_00052.jpg



View of the erosion site from the crown, facing upstream. Spring 2019.

LM Start	35.60	Rating **	C	Issue No.	115
LM End	35.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.104121 °	39.104121 °
				-121.907002 °	-121.907002 °
DWR ID	DWR_NA0016_01_s_2019_115				
Comment Code					
TR : Tree or limb					
Inspector Comment					
A fallen tree is located on the waterside slope.					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	36.15	Rating **	M	Issue No.	1640	
LM End	36.15	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.111233 °	39.111233 °	
				-121.911450 °	-121.911450 °	
DWR ID	20345					
Comment Code						
Inspector Comment						
DS_ID:20345						
FS_ID:54164						
EP_NO: 9374						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/07/2019 Pipe is capped on LS approximately 15 feet from LS toe. Minor water leakage observed around capped pipe. (O.Yakimov - DWR UCIP)03/18/2013 Verify if pipe is abandoned with landowner and remove or abandon properly if necessary.						
FIELD_STRUCT_DESC: *ABANDONED* 3 of 3: 24-inch concrete encased steel drainage pipe through the levee, 17 feet below the crown. Slide gate on concrete headwall on waterside (WS) end. Walkway to control gate and gate valve on landside (LS) end. (24-inch pipe [HLM 36.61] authorized under Automatic Board Order (ABO) issued as Permit No. 9374, 1974 - Richard H. Moore). [Additional Reference(s): USACE Sacramento O&M Manual 131, May 1960 (HLM 36.61)].						
FS Date: 5/7/2019 8:40:51 AM						

Photo 1 of 3 : UCIP_FA_2019_54164_79775.jpg



Outlet/inlet on WS toe

LM Start	36.15	Rating **	M	Issue No.	1640 (cont)
LM End	36.15	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_54164_79776.jpg



LS levee slope

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	36.15	Rating **	M	Issue No.	1640 (cont)	
LM End	36.15	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.111233 °	39.111233 °	
				-121.911450 °	-121.911450 °	
DWR ID	20345					
Comment Code						
Inspector Comment						
DS_ID:20345 FS_ID:54164 EP_NO: 9374 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/07/2019 Pipe is capped on LS approximately 15 feet from LS toe. Minor water leakage observed around capped pipe. (O.Yakimov - DWR UCIP)03/18/2013 Verify if pipe is abandoned with landowner and remove or abandon properly if necessary. FIELD_STRUCT_DESC: *ABANDONED* 3 of 3: 24-inch concrete encased steel drainage pipe through the levee, 17 feet below the crown. Slide gate on concrete headwall on waterside (WS) end. Walkway to control gate and gate valve on landside (LS) end. (24-inch pipe [HLM 36.61] authorized under Automatic Board Order (ABO) issued as Permit No. 9374, 1974 - Richard H. Moore). [Additional Reference(s): USACE Sacramento O&M Manual 131, May 1960 (HLM 36.61)]. FS Date: 5/7/2019 8:40:51 AM						

Photo 3 of 3 : UCIP_FA_2019_54164_79777.jpg



Water leaks around capped pipe on LS

LM Start	36.27	Rating **	M	Issue No.	170
LM End	36.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.112639 °	39.112639 °
				-121.912613 °	-121.912613 °
DWR ID	DWR_NA0016_01_f_2019_170				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove fallen tree limbs on the waterside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	36.42	Rating **	M	Issue No.	171
LM End	36.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		39.114455°	39.114455°	
			-121.914114°	-121.914114°	
DWR ID	DWR_NA0016_01_f_2019_171				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Large rodent hole on the landside slope.					

No Photos

LM Start	36.76	Rating **	C	Issue No.	117
LM End	36.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.119303°	39.119303°	
			-121.915127°	-121.915127°	
DWR ID	DWR_NA0016_01_s_2019_117				
Comment Code					
TR : Tree or limb					
Inspector Comment					
A fallen tree is located on the waterside slope.					

No Photos

LM Start	37.15	Rating **	M	Issue No.	172
LM End	37.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.121526°	39.121526°	
			-121.921243°	-121.921243°	
DWR ID	DWR_NA0016_01_f_2019_172				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove fallen tree on the waterside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	39.85	Rating **	C	Issue No.	118
LM End	39.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.143354 °	39.143354 °
				-121.928754 °	-121.928754 °
DWR ID	DWR_NA0016_01_s_2019_118				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent holes are located on the landside slope.					

No Photos

LM Start	41.08	Rating **	M	Issue No.	1667	
LM End	41.08	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			39.152347 °		39.152347 °
				-121.920610 °		-121.920610 °
DWR ID	20288					
Comment Code						
Inspector Comment						
DS_ID:20288 FS_ID:54216 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/22/2019 CMP riser on WS shoulder missing a cover that creates fall hazard. A new electrical conduit is noticed on WS berm near pipe alignment. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 24-inch drainage pipe of an unknown material through the levee, 19 feet below the crown. 6-foot diameter corrugated metal standpipe on the landside (LS) toe. Pump and 24-inch pipe on the LS. Slide gate in corrugated metal riser unit on waterside (WS) slope. Concrete block wall at WS toe for discharge line. (Modified under Permit No. 8587, 1973 - Anthony E. Steidlmayer). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 41.56)]. FS Date: 5/22/2019 2:35:19 PM						

Photo 1 of 3 : UCIP_FA_2019_54216_79906.jpg



Corrugated metal riser on WS shoulder

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	41.08	Rating **	M	Issue No.	1667 (cont)	
LM End	41.08	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.152347 °	39.152347 °	
				-121.920610 °	-121.920610 °	
DWR ID	20288					
Comment Code						
Inspector Comment						
DS_ID:20288 FS_ID:54216 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/22/2019 CMP riser on WS shoulder missing a cover that creates fall hazard. A new electrical conduit is noticed on WS berm near pipe alignment. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 24-inch drainage pipe of an unknown material through the levee, 19 feet below the crown. 6-foot diameter corrugated metal standpipe on the landside (LS) toe. Pump and 24-inch pipe on the LS. Slide gate in corrugated metal riser unit on waterside (WS) slope. Concrete block wall at WS toe for discharge line. (Modified under Permit No. 8587, 1973 - Anthony E. Steidlmayer). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 41.56)]. FS Date: 5/22/2019 2:35:19 PM						

Photo 2 of 3 : UCIP_FA_2019_54216_79904.jpg



Concrete block wall at WS toe

LM Start	41.08	Rating **	M	Issue No.	1667 (cont)
LM End	41.08	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_54216_79903.jpg



Siphon breaker on pipe at WS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	41.78	Rating **	M	Issue No.	174
LM End	41.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.157988 °	39.157988 °
				-121.931281 °	-121.931281 °
DWR ID	DWR_NA0016_01_f_2019_174				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Large rodent hole at the landside slope.					

No Photos

LM Start	42.47	Rating **	A/W	Issue No.	119
LM End	42.47	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.166313 °	39.166313 °
				-121.937546 °	-121.937546 °
DWR ID	DWR_NA0016_01_s_2019_119				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
There appears to be a new erosion on the waterside berm. Recommend monitoring.					

Photo 1 of 1 : FA_2019_NA0016_435_119_20190829_00053.jpg



View of erosion from the crown. Spring 2019.

LM Start	42.73	Rating **	C	Issue No.	146
LM End	42.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.169949 °	39.169949 °
				-121.938664 °	-121.938664 °
DWR ID	DWR_NA0016_01_f_2015_146				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	42.90	Rating **	A/W	Issue No.	95
LM End	43.09	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			39.172501 °	39.174949 °
				-121.939053 °	-121.940737 °
DWR ID	DWR_NA0016_01_f _ 2018_95				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 136.6 R					
Status: Eroding					
2017 Field Notes: New erosion observed along the entire bank slope.					
Site History: 2010 - Lower portion of 136.7 that did not extend far enough. Abrupt transition from upstream site. 2012 - Site extended upstream, minor new erosion. 2013 - Minor new erosion at the toe.					
New tree popout. Downstream limit extended. 2016 - Site continues to worsen, fresh erosion at toe.					

Photo 1 of 1 : FA_2019_NA0016_435_95_20190829_00033.jpg



USACE 2013 Photo #1

LM Start	47.62	Rating **	A/W	Issue No.	97
LM End	47.77	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			39.193769 °	39.195595 °
				-121.987901 °	-121.988621 °
DWR ID	DWR_NA0016_01_f_2018_97				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 141.5 R					
Status: Eroding					
2017 Field Notes: No observed change.					
Site History: 2010 - Old cobble site starting to unravel at toe. 2011 - Cobbles continue to unravel. 2013 - Site extended downstream to revetment.					

Photo 1 of 1 : FA_2019_NA0016_435_97_20190829_00035.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	47.95	Rating **	A/W	Issue No.	98
LM End	48.15	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			39.198117 °	39.200685 °
				-121.988106 °	-121.986717 °
DWR ID	DWR_NA0016_01_f_2018_98				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 141.9 R					
Status: Eroding New					
2017 Field Notes: Erosion along entire bank slope. Bank heavily vegetated. Tree popout that has removed a large of bank.					
Site History:					

No Photos

LM Start	49.42	Rating **	A/W	Issue No.	113
LM End	49.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.213303 °	39.213303 °
				-121.996915 °	-121.996915 °
DWR ID	DWR_NA0016_01_f_2018_113				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Runoff erosion is located on the waterside berm. Recommend monitoring.					

Photo 1 of 1 : FA_2019_NA0016_435_113_20190829_00047.jpg



View of erosion on the waterside berm. Fall 2018.

LM Start	49.46	Rating **	A/W	Issue No.	105
LM End	49.57	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			39.213608 °	39.213869 °
				-121.997543 °	-121.999641 °
DWR ID	DWR_NA0016_01_f_2018_105				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 143.5 R					
Status: Eroding					
2017 Field Notes: New erosion along lower slope.					
Site History: 2011 - Multiple scallops, one tree pop out. Old cobble site starting to unravel at midbank. 2012 - Mid bank slumping continues to worsen but cobble at the toe appears stable.					

Photo 1 of 1 : FA_2019_NA0016_435_105_20190829_00039.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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